



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2004

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Estimated Damage Property Crops	Character of Storm
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### LAKE ERIE

LEZ149 Ripley Ny	Conneaut Oh To Ripley Ny 04 1400EST 1530EST	0	0	Marine Tstm Wind (EG35)
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LEZ148 Geneva-On-The-Lake to Conneaut	Geneva On The Lake Oh To Conneaut Oh 04 1400EST 1530EST	0	0	Marine Tstm Wind (EG35)
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LEZ169 Conneaut to Ripley Ny	Le Conneaut Oh To Ripley Ny Byd 5Nm Offshore To Intl Border 04 1400EST 1530EST	0	0	Marine Tstm Wind (EG35)
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LEZ168 Geneva-On-The-Lake to Conneaut	Le Geneva On The Lake To Conneaut Oh Byd 5Nm Offshore To Intl Border 04 1400EST 1530EST	0	0	Marine Tstm Wind (EG35)
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LEZ167 Willowick to Geneva-On-The-Lake	Le Willowick To Geneva On The Lake Oh Byd 5Nm Offshore To Intl Border 04 1400EST 1530EST	0	0	Marine Tstm Wind (EG35)
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LEZ147 Willowick to Geneva-On-The-Lake	Willowick To Geneva On The Lake Oh 04 1400EST 1530EST	0	0	Marine Tstm Wind (EG35)
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Strong thunderstorms moved northeast across Lake Erie and produced estimated wind gusts in excess of 35 knots.

LEZ162 Maumee Bay to Reno Beach	Le Detroit R Lt To Reno Beach Oh Byd 5Nm Offshore To Intl Border 07 0105EST 0230EST	0	0	Marine Tstm Wind (EG35)
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LEZ163 Reno Beach to The Islands	Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border 07 0105EST 0230EST	0	0	Marine Tstm Wind (EG35)
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LEZ164 The Islands to Vermilion	Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border 07 0105EST 0230EST	0	0	Marine Tstm Wind (EG35)
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LEZ142 Maumee Bay to Reno Beach	Maumee Bay To Reno Beach Oh 07 0105EST 0230EST	0	0	Marine Tstm Wind (EG35)
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LEZ143 Reno Beach to The Islands	Reno Beach To The Islands Oh 07 0105EST 0230EST	0	0	Marine Tstm Wind (EG35)
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LEZ144 The Islands to Vermilion	The Islands To Vermilion Oh 07 0105EST 0230EST	0	0	Marine Tstm Wind (EG35)
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A line of strong thunderstorms moved east across Lake Erie and produced estimated wind gusts in excess of 35 knots.

LEZ149 Ripley Ny	Conneaut Oh To Ripley Ny 08 0800EST 0820EST	0	0	Waterspout
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LEZ169 Conneaut to Ripley Ny	Le Conneaut Oh To Ripley Ny Byd 5Nm Offshore To Intl Border 08 0800EST 0820EST	0	0	Waterspout
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Several waterspouts were observed on Lake Erie offshore from the Walnut Creek access. No damage occurred.

LEZ146 Avon Point to Willowick	Avon Point To Willowick Oh 14 0045EST 0400EST	0	0	Marine Tstm Wind (EG35)
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LEZ149 Ripley Ny	Conneaut Oh To Ripley Ny 14 0045EST 0400EST	0	0	Marine Tstm Wind (EG35)
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### LAKE ERIE

<b>LEZ148</b>	<b>Geneva On The Lake Oh To Conneaut Oh</b>								
Geneva-On-The-Lake to Conneaut	14	0045EST 0400EST			0	0			Marine Tstm Wind (EG35)
<b>LEZ166</b>	<b>Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border</b>								
Avon Point to Willowick	14	0045EST 0400EST			0	0			Marine Tstm Wind (EG35)
<b>LEZ169</b>	<b>Le Conneaut Oh To Ripley Ny Byd 5Nm Offshore To Intl Border</b>								
Conneaut to Ripley Ny	14	0045EST 0400EST			0	0			Marine Tstm Wind (EG35)
<b>LEZ162</b>	<b>Le Detroit R Lt To Reno Beach Oh Byd 5Nm Offshore To Intl Border</b>								
Maumee Bay to Reno Beach	14	0045EST 0400EST			0	0			Marine Tstm Wind (EG35)
<b>LEZ168</b>	<b>Le Geneva On The Lake To Conneaut Oh Byd 5Nm Offshore To Intl Border</b>								
Geneva-On-The-Lake to Conneaut	14	0045EST 0400EST			0	0			Marine Tstm Wind (EG35)
<b>LEZ163</b>	<b>Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border</b>								
Reno Beach to The Islands	14	0045EST 0400EST			0	0			Marine Tstm Wind (EG35)
<b>LEZ164</b>	<b>Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border</b>								
The Islands to Vermilion	14	0045EST 0400EST			0	0			Marine Tstm Wind (EG35)
<b>LEZ165</b>	<b>Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border</b>								
Vermilion to Avon Point	14	0045EST 0400EST			0	0			Marine Tstm Wind (EG35)
<b>LEZ167</b>	<b>Le Willowick To Geneva On The Lake Oh Byd 5Nm Offshore To Intl Border</b>								
Willowick to Geneva-On-The-Lake	14	0045EST 0400EST			0	0			Marine Tstm Wind (EG35)
<b>LEZ142</b>	<b>Maumee Bay To Reno Beach Oh</b>								
Maumee Bay to Reno Beach	14	0045EST 0400EST			0	0			Marine Tstm Wind (EG35)
<b>LEZ143</b>	<b>Reno Beach To The Islands Oh</b>								
Reno Beach to The Islands	14	0045EST 0400EST			0	0			Marine Tstm Wind (EG35)
<b>LEZ144</b>	<b>The Islands To Vermilion Oh</b>								
The Islands to Vermilion	14	0045EST 0400EST			0	0			Marine Tstm Wind (EG35)
<b>LEZ145</b>	<b>Vermilion To Avon Point Oh</b>								
Vermilion to Avon Point	14	0045EST 0400EST			0	0			Marine Tstm Wind (EG35)
<b>LEZ147</b>	<b>Willowick To Geneva On The Lake Oh</b>								
Willowick to Geneva-On-The-Lake	14	0045EST 0400EST			0	0			Marine Tstm Wind (EG35)

A line of strong thunderstorms moved southeast across Lake Erie and produced estimated wind gusts in excess of 35 knots.

<b>LEZ163</b>	<b>Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border</b>								
Reno Beach to The Islands	14	1041EST 1045EST			0	0			Waterspout
<b>LEZ143</b>	<b>Reno Beach To The Islands Oh</b>								
Reno Beach to The Islands	14	1041EST 1045EST			0	0			Waterspout

A large waterspout was observed on Lake Erie three miles west of South Bass Island. No damage occurred.

<b>LEZ163</b>	<b>Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border</b>								
Reno Beach to The Islands	14	1240EST 1250EST			0	0			Waterspout



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### LAKE ERIE

<b>LEZ164</b>	<b>Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border</b>							
The Islands to Vermilion	14	1240EST 1250EST			0	0		Waterspout
<b>LEZ143</b>	<b>Reno Beach To The Islands Oh</b>							
Reno Beach to The Islands	14	1240EST 1250EST			0	0		Waterspout
<b>LEZ144</b>	<b>The Islands To Vermilion Oh</b>							
The Islands to Vermilion	14	1240EST 1250EST			0	0		Waterspout

Two waterspouts were observed on Lake Erie to the east of Marblehead. No damage occurred

<b>LEZ162</b>	<b>Le Detroit R Lt To Reno Beach Oh Byd 5Nm Offshore To Intl Border</b>							
Maumee Bay to Reno Beach	21	2145EST 2330EST			0	0		Marine Tstm Wind (EG35)
<b>LEZ163</b>	<b>Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border</b>							
Reno Beach to The Islands	21	2145EST 2330EST			0	0		Marine Tstm Wind (EG35)
<b>LEZ164</b>	<b>Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border</b>							
The Islands to Vermilion	21	2145EST 2330EST			0	0		Marine Tstm Wind (EG35)
<b>LEZ142</b>	<b>Maumee Bay To Reno Beach Oh</b>							
Maumee Bay to Reno Beach	21	2145EST 2330EST			0	0		Marine Tstm Wind (EG35)
<b>LEZ143</b>	<b>Reno Beach To The Islands Oh</b>							
Reno Beach to The Islands	21	2145EST 2330EST			0	0		Marine Tstm Wind (EG35)
<b>LEZ144</b>	<b>The Islands To Vermilion Oh</b>							
The Islands to Vermilion	21	2145EST 2330EST			0	0		Marine Tstm Wind (EG35)

A line of thunderstorms moved east across the western basin of Lake Erie and produced estimated wind gusts in excess of 35 knots. An automated sensor a few miles inland from the lake measured a 36 knot gust.

### OHIO, North

<b>Ashtabula County</b>								
Ashtabula	14	0315EST			0	0		Hail(0.75)
Penny size hail was observed.								
<b>Cuyahoga County</b>								
Euclid	14	0416EST			0	0		Hail(0.75)
Penny size hail was observed.								
<b>Lake County</b>								
Mentor	14	0430EST			0	0	5K	Hail(0.50)
Thunderstorm winds downed one tree and a few large limbs.								
<b>Geauga County</b>								
Russell	14	0437EST			0	0		Hail(0.88)
Penny to nickel size hail was observed.								
<b>Trumbull County</b>								
Bristolville	14	0520EST			0	0		Hail(1.00)
Quarter size hail was observed.								
<b>Ottawa County</b>								
Port Clinton	22	2002EST			0	0	2K	Thunderstorm Wind (EG50)
Thunderstorm winds downed one tree and one large limb.								



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					Killed	Injured	Property	Crops	

### OHIO, North

#### Cuyahoga County

East Cleveland	22	2150EST 2200EST			0	0	3K		Thunderstorm Wind (EG50)
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Thunderstorm winds downed two trees.

### PENNSYLVANIA, Northwest

#### PAZ003

#### Crawford

12	0245EST 0700EST			0	0	50K		Flood
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Thunderstorms dumped locally heavy rain on portions of Crawford County during the morning hours of the 12th. A spotter near Meadville measured 3.6 inches of rain between midnight and 7 a.m. Several roads were flooded in the southern portion of the county. Widespread lowland flooding also occurred. Several dozen homes experienced basement or nuisance flooding.

#### Crawford County

#### Countywide

12	1118EST 1515EST			0	0	350K		Flash Flood
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Heavy rain continued to fall on Crawford County through the early afternoon hours of the 12th. The heaviest rains fell on the central and southern sections of the county. A spotter near Meadville measured 4.04 inches of rainfall between midnight and noon. 3.96 inches of rain was recorded at nearby Meadville Airport. Runoff from this heavy rain caused many streams and creeks to leave their banks. The Meadville area was among the hardest hit by flooding. Dozens of homes in the city were damaged and several streets had to be closed. Several gravel roads were washed out in the southern half of the county. Flood waters in some areas were reported to be as much as four feet deep.

#### Erie County

#### South Portion

12	1145EST 1545EST			0	0	250K		Flash Flood
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Heavy thunderstorm rains fell on Erie County on July 12th. Rainfall totals from midnight through early afternoon generally ranged from one to three inches. The greatest amounts were reported in the southern portion of the county. A spotter in Corry measured 3.70 inches of rain from midnight to 2 p.m. Runoff from this heavy rain caused many streams and creeks to leave their banks. Several roads were washed out near Corry and at least one vehicle was stranded in flood waters up to four feet deep. Many homes were damaged in the county and several state routes had to be closed because of flooding.

#### Erie County

#### Albion

14	0345EST			0	0			Hail(0.75)
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Penny size hail was observed five miles east of Albion.

#### Crawford County

#### Crossingville

14	0355EST			0	0			Hail(0.75)
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Penny size hail was observed.

#### Erie County

#### South Portion

17	2020EST 2245EST			0	0	100K		Flash Flood
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Heavy rain fell on southern Erie County on July 17th. Two to three inches of rain was reported in the Corry area. Runoff from this rain caused area streams and creeks to leave their banks. Several roads in the southeastern corner of the county were either washed or closed by flooding. Flood waters in some areas were reported to be as much as three feet deep.

#### Crawford County

#### East Portion

18	0330EST 0500EST			0	0	100K		Flash Flood
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Thunderstorms dumped up to three inches of rain on the eastern half of Crawford County during the early morning hours of July 18th. Runoff from this rainfall caused considerable flooding in the Spartansburg and Cochranon areas. Several roads near these



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### PENNSYLVANIA, Northwest

towns were either washed out or closed by flooding. Many homes in these areas also sustained flood damage.

#### **Erie County**

##### **Southeast Portion**

<b>18</b>	<b>0330EST</b>				<b>0</b>	<b>0</b>	<b>25K</b>		<b>Flash Flood</b>
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Thunderstorms dumped up to three inches of rain on the southeastern corner of Erie County during the early morning hours of July 18th. Runoff from this rainfall caused considerable flooding in the Corry area. Several roads and intersections west of the town had to be closed because of flood waters up to two feet deep. Several homes in the area also sustained flood damage.

#### **PAZ003**

##### **Crawford**

<b>31</b>	<b>2000EST</b>				<b>0</b>	<b>0</b>	<b>35K</b>		<b>Flood</b>
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Over two inches of rain fell on portions of Crawford County on July 31st. A spotter in Linesville measured 2.28 inches of rain. Widespread lowland flooding occurred in the county as several small streams and creeks left their banks. Several roads in the Meadville area had to be closed because of flooding. Basement flooding was also reported at several locations.